

CLAIM AMENDMENTS

1 1. (currently amended) An electric motor [[,]] for
2 powering downhole tools in a wellbore, the motor comprising:
3 impermeable and coaxial inner and outer tubes in contact
4 with wellbore fluids and forming an axially extending annular space
5 sealed from the wellbore fluids;
6 a stator having in the space a series of coiled windings
7 and laminations connectable to a power supply;
8 a rotor connectable to a rotatable device [[:]] , forming
9 an axially throughgoing flowpath-forming passage, and including a
10 permanent magnet in the inner tube in contact with the wellbore
11 fluids a series of coiled windings or laminations having a
12 connection to a DC supply, the permanent magnet of the rotor and
13 the laminations of the stator being arranged annularly with respect
14 to each other; and
15 a potting material in the space and impervious to
16 wellbore fluids, the laminations and coil windings being potted in
17 the material.

1 2. (original) An electric motor according to claim 1,
2 wherein the potting material is introduced under a vacuum.

1 3. (previously presented) An electric motor according
2 to claim 1, further comprising
3 a motor housing which confines the potting material.

1 4. (previously presented) An electric motor according
2 to claim 1, further comprising
3 wiring that exits from the potted material through a
4 metal clad tube, onto which an O ring seal can be used.

1 5. (original) An electric motor assembly comprising two
2 or more electric motors according to claim 1 secured in series.

1 6. (original) An electric motor assembly according to
2 claim 5, wherein the two or more electric motors are secured
3 together before the potting material is introduced.